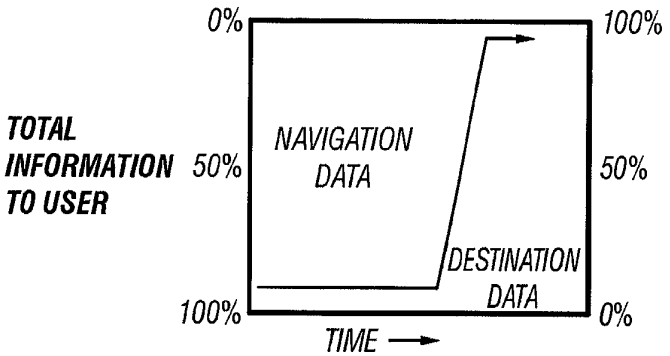
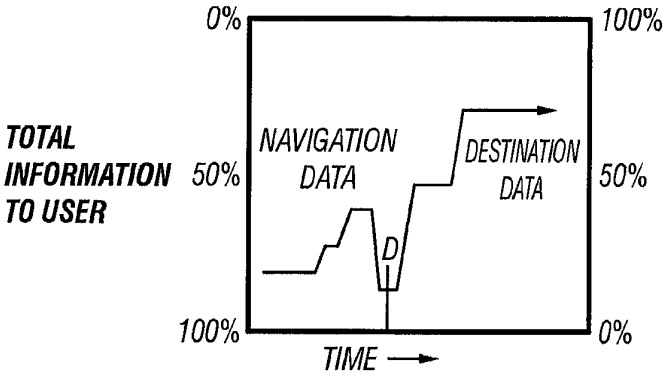
T09260 "297h5760



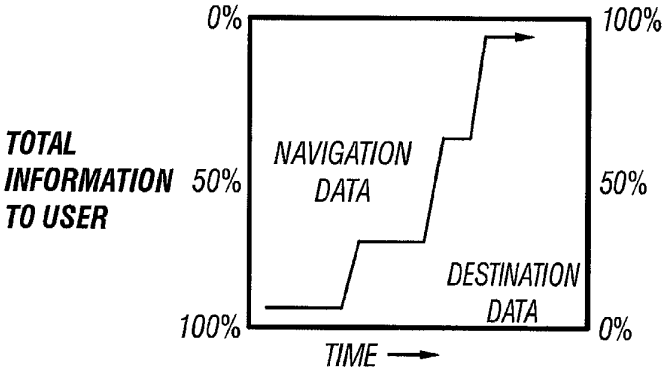
COMMAND-DRIVEN INTERFACES

FIG. 1A



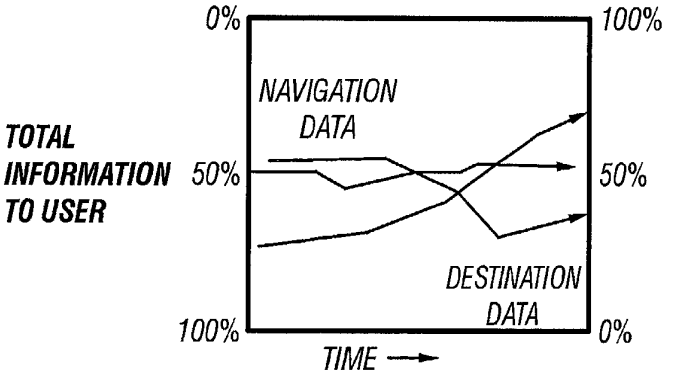
MENU-DRIVEN INTERFACES

FIG. 1B



GUI-DRIVEN INTERFACES

FIG. 1C



CYBERSPACE-DRIVEN INTERFACES

FIG. 1D

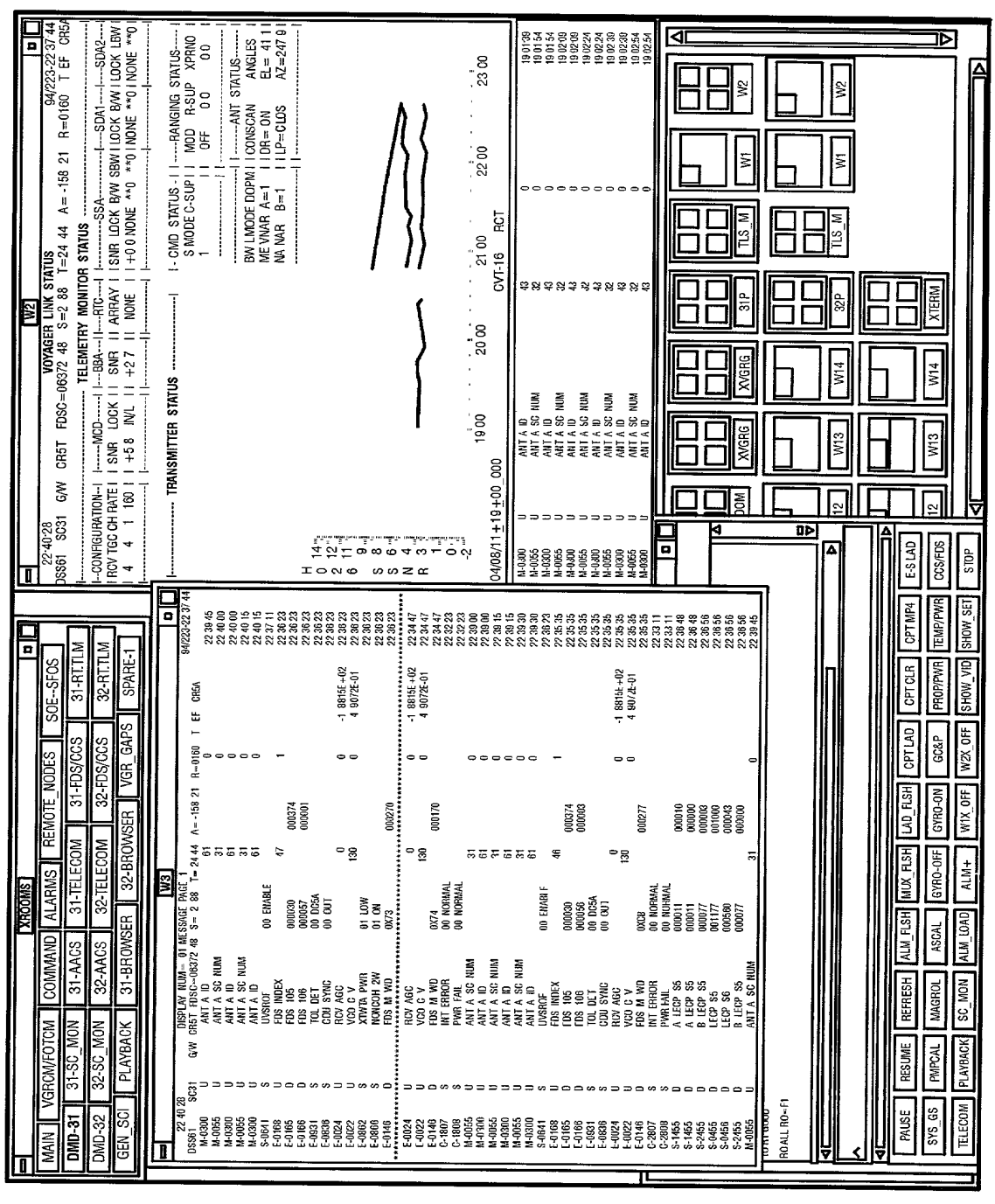


FIG. 2

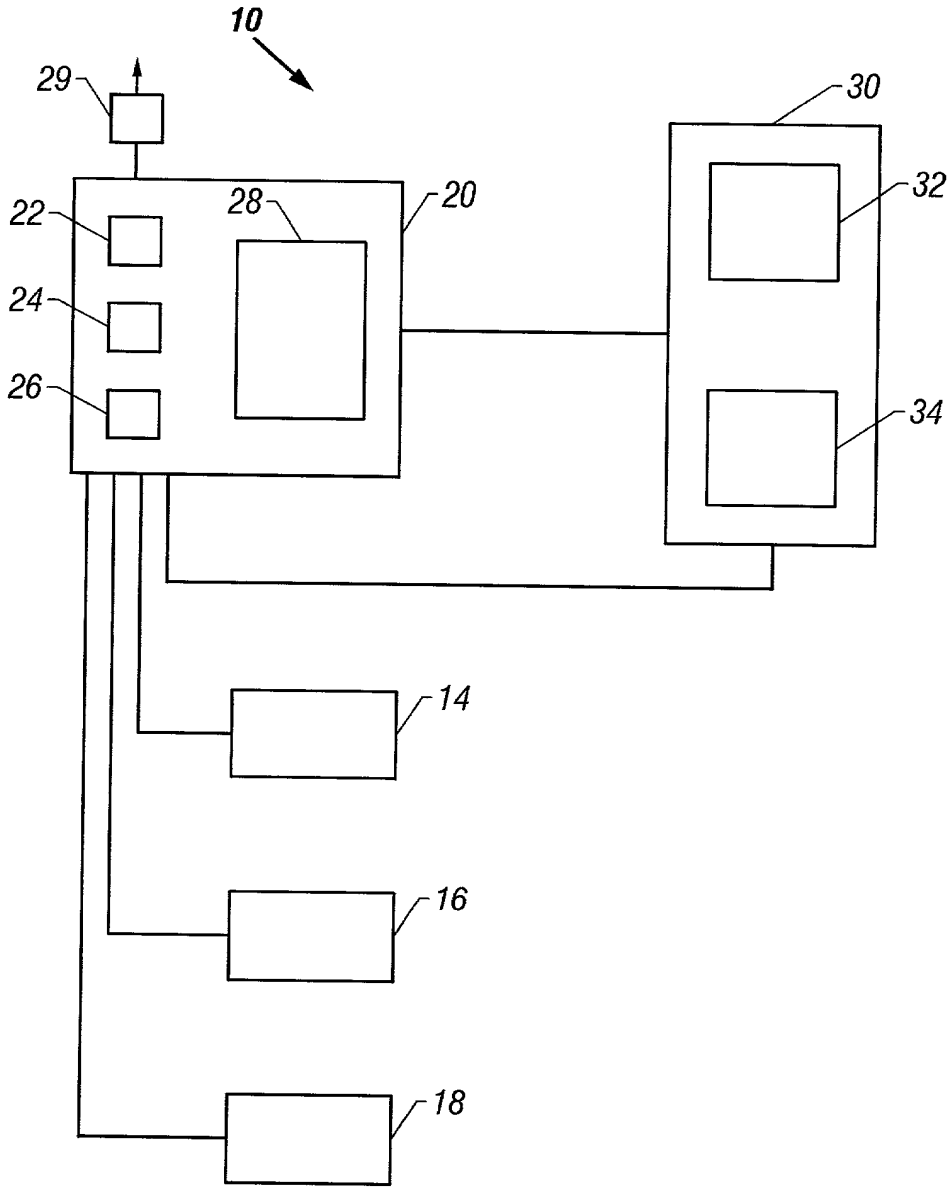


FIG. 3

T09260 "297h5260

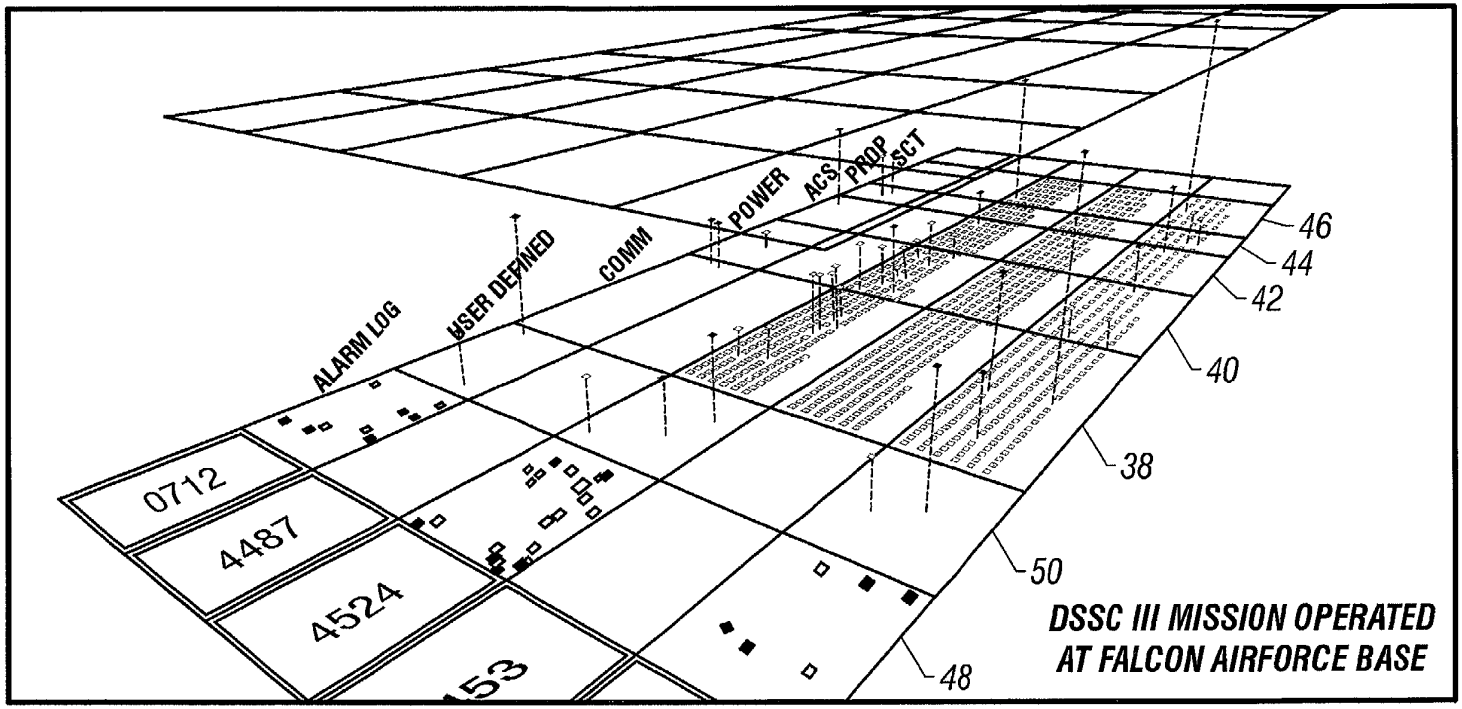


FIG. 4

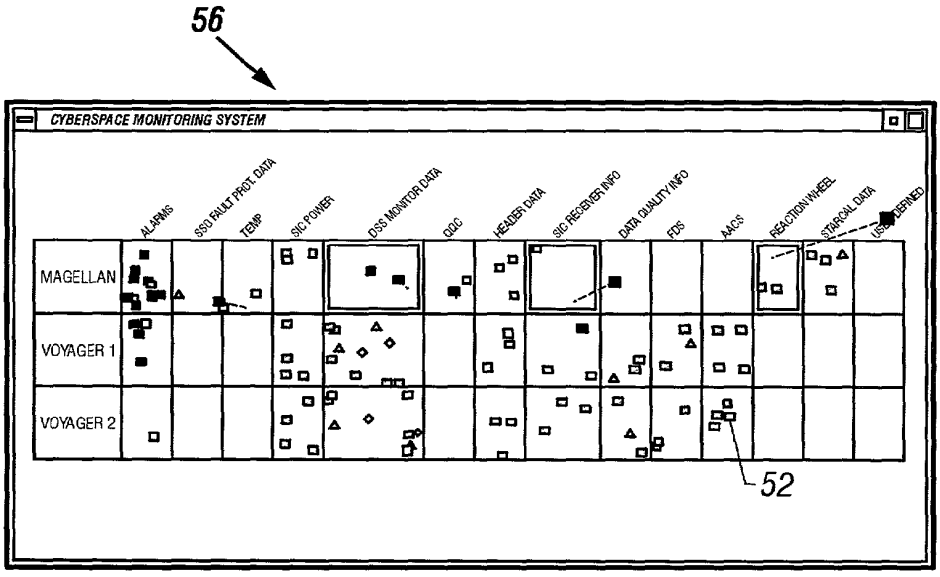

56
CYBERSPACE MONITORING SYSTEM
ALARMS
SSO FAULT PROT. DATA
TEMP
SIC POWER
DSS MONITOR DATA
QOC
HEADER DATA
SIC RECEIVER INFO
DATA QUALITY INFO
FDS
AACS
REACTION WHEEL
STARCAL DATA
USER DEFINED
MAGELLAN
VOYAGER 1
VOYAGER 2
52

FIG. 5A

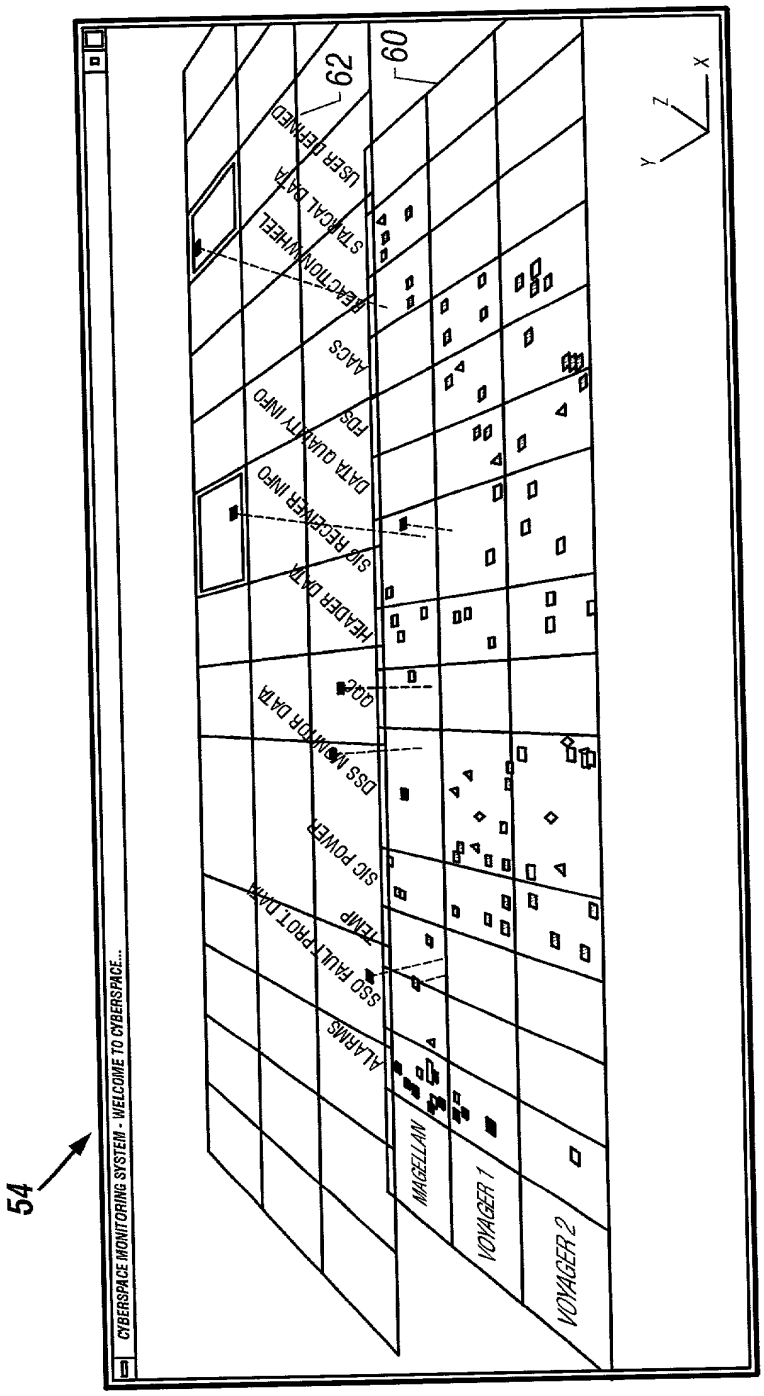

54
CYBERSPACE MONITORING SYSTEM - WELCOME TO CYBERSPACE...
60
62
X
Y
Z
USER DEFINED
STARCAL DATA
REACTIONWHEEL
AACS
FDS
DATA QUALITY INFO
SIR RECEIVER INFO
HEADER DATA
GQC
DSS MONITOR DATA
SIC POWER
TEMP
SSO FAULT PROT DATA
ALARMS
MAGELLAN
VOYAGER 1
VOYAGER 2

FIG. 5B

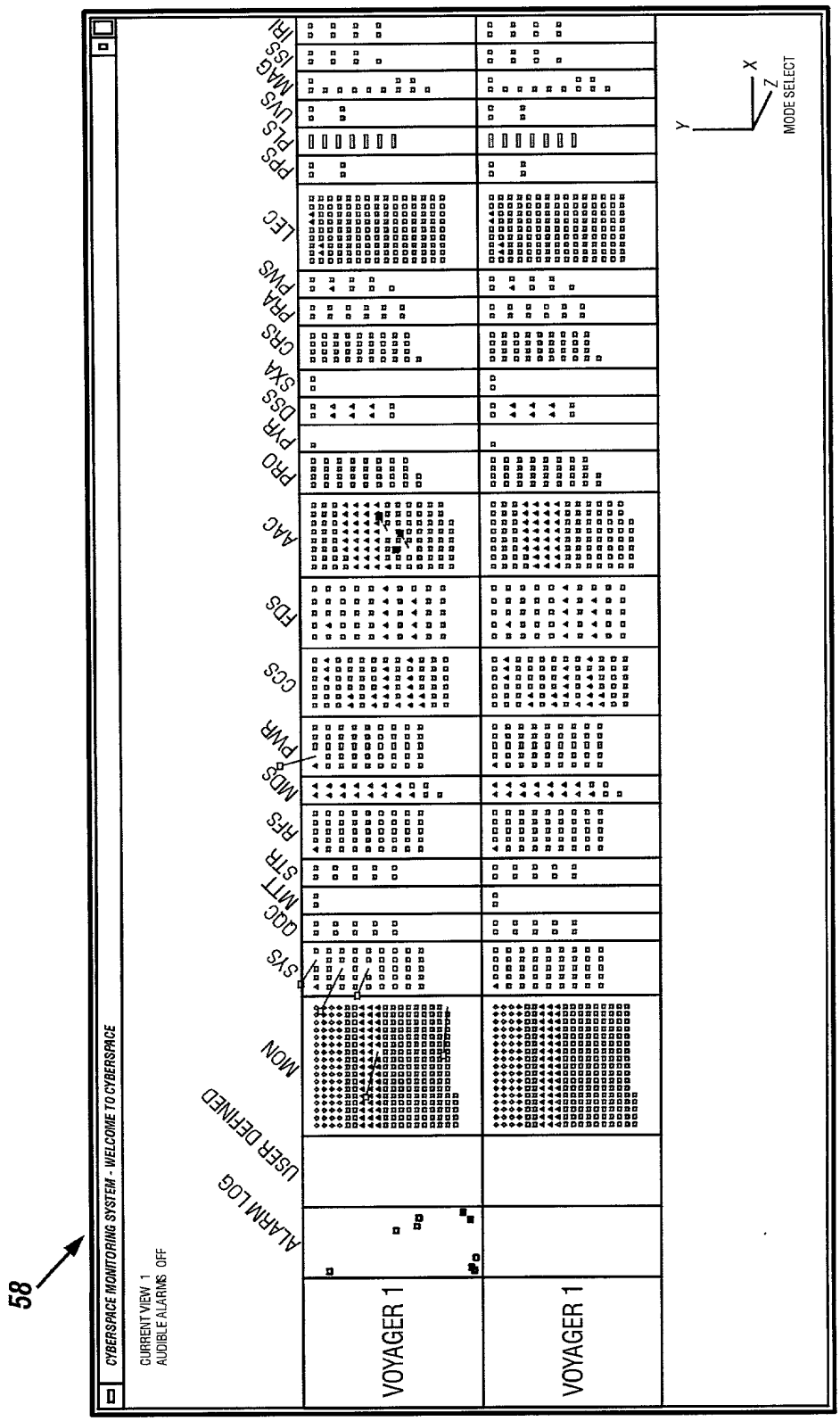

58
CYBERSPACE MONITORING SYSTEM - WELCOME TO CYBERSPACE
CURRENT VIEW 1
AUDIBLE ALARMS OFF
ALARM LOG
USER DEFINED
MON
SYS
QQG
MTT
STR
RFS
MDS
PWR
CCS
FDS
AAG
PRO
PYR
DSS
SXA
CRS
PRA
PWS
LEC
PPS
PLS-UVS
MAG
ISS
FAI
VOYAGER 1
VOYAGER 1
X
Z
Y
MODE SELECT

FIG. 6

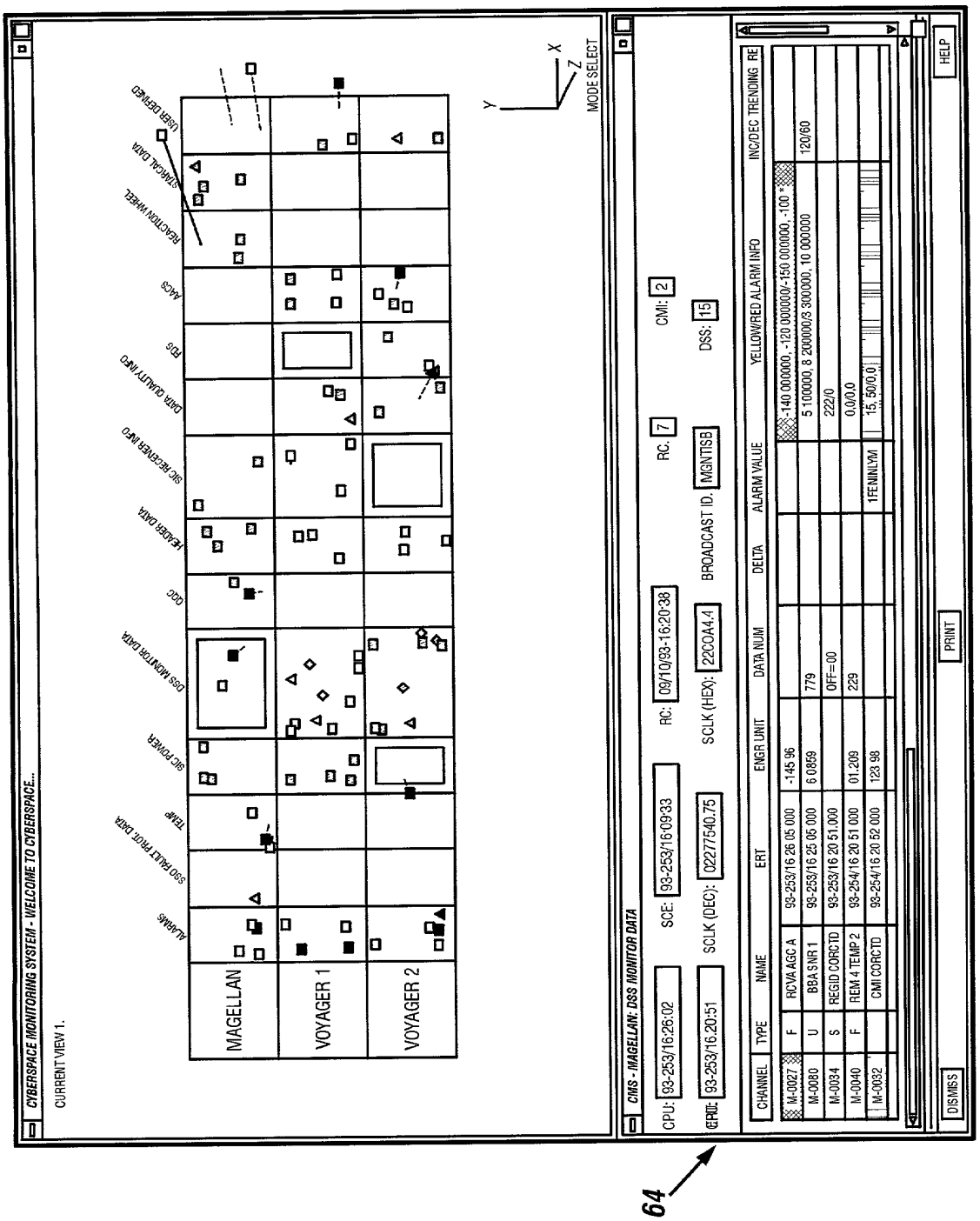

CYBERSPACE MONITORING SYSTEM - WELCOME TO CYBERSPACE...
CURRENT VIEW 1.
MAGELLAN
VOYAGER 1
VOYAGER 2
ALARMS
SSO FAULT PROT. DATA
TEMP
SIC POWER
DSS MONITOR DATA
CDDC
HEADER DATA
SIC RECEIVER INFO
DATA QUALITY INFO
FDS
ACCS
REACTION WHEEL
SUNSOL DATA
USER DEFINED
MODE SELECT
CIMS - MAGELLAN: DSS MONITOR DATA
CPU: 93-253/16:26:02
SCLK (DEC): 02277540.75
SCE: 93-253/16:09:33
SCLK (HEX): 22COA4.4
RC: 09/10/93-16:20:38
BROADCAST ID. MGNTISB
RC. 7
CMI: 2
DSS: 15
CHANNEL
TYPE
NAME
ERT
ENGR UNIT
DATA NUM
DELTA
ALARM VALUE
YELLOW/RED ALARM INFO
INC/DEC TRENDING RE
M-0027
M-0080
M-0034
M-0040
M-0032
RCVA AGC A
BBA SNR 1
REGID CORCTD
REM 4 TEMP 2
CMI CORCTD
93-253/16 26 05 000
93-253/16 25 06 000
93-253/16 20 51 000
93-254/16 20 51 000
93-254/16 20 52 000
-145 96
6 0859
01 209
129 98
779
OFF=00
229
-140 000000, -120 000000/-150 000000, -100 *
5 100000, 8 200000/3 300000, 10 000000
222/0
0,0/0,0
15, 50/0,0
1FENINLVM
120/60
DISMISS
PRINT
HELP
64

FIG. 7

TD92E0 "297h5260

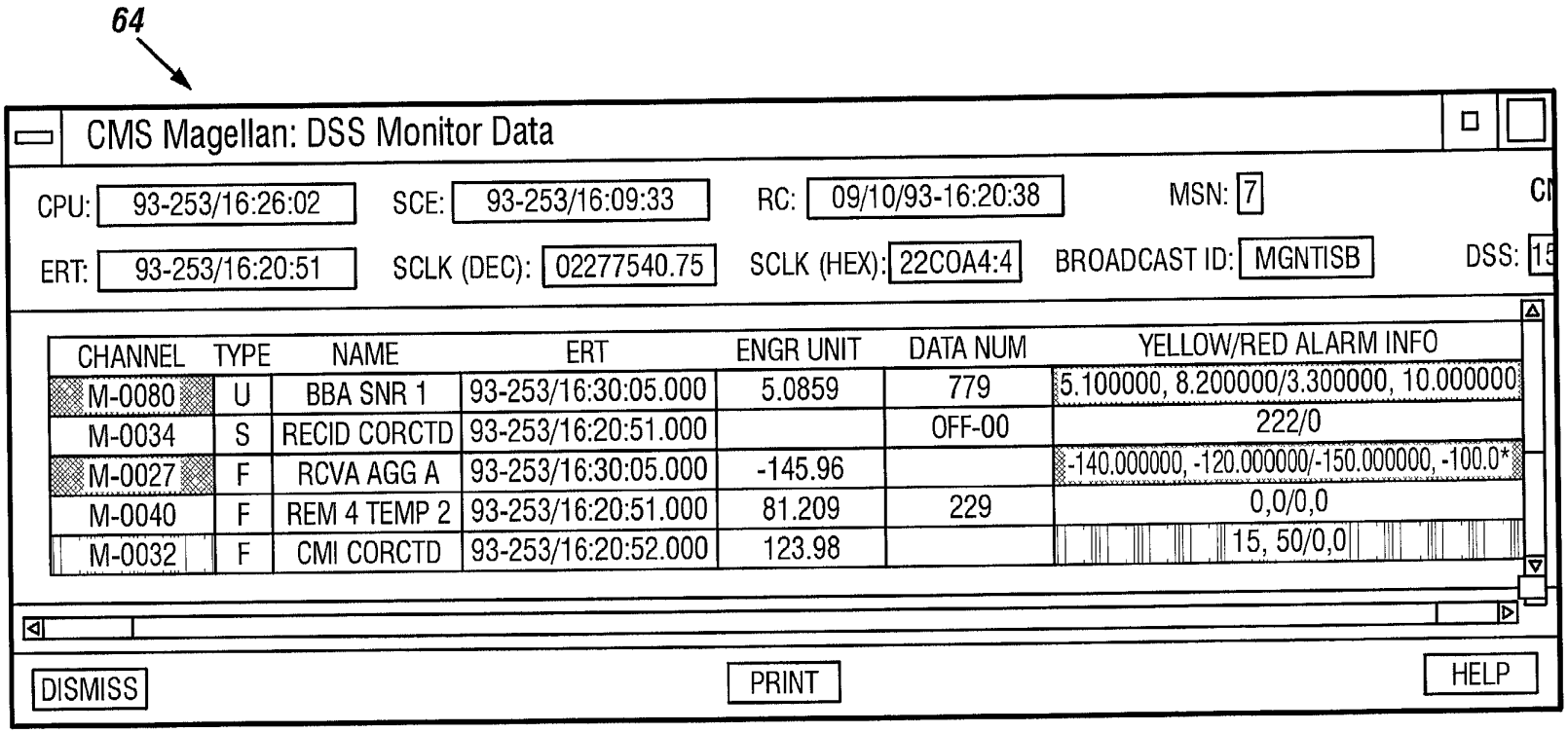


FIG. 8

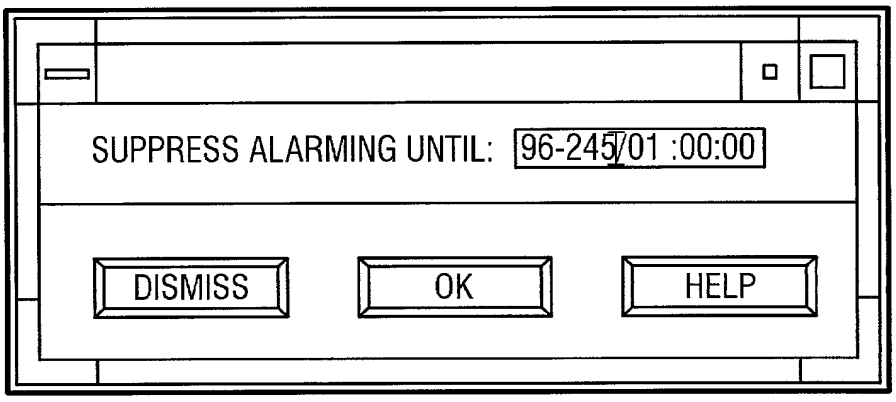


FIG. 9

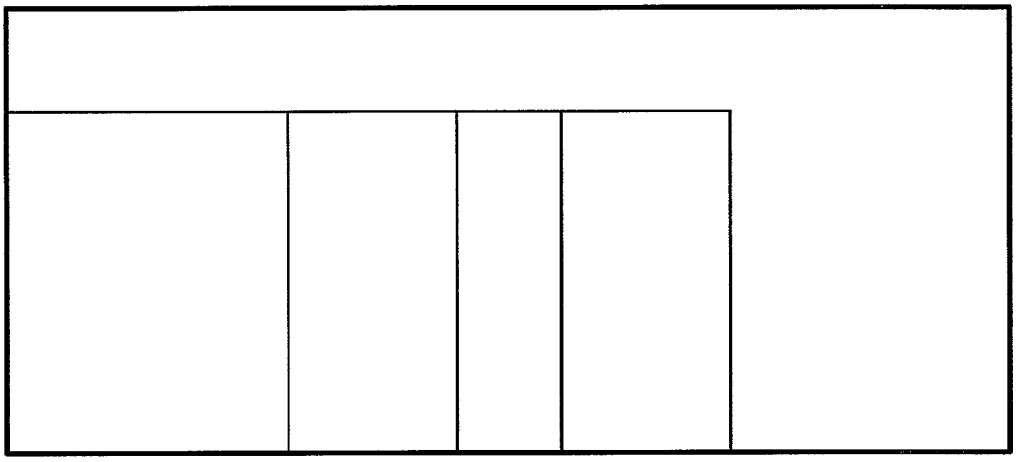


FIG. 10

SUBSTITUTE SHEET (RULE 26)

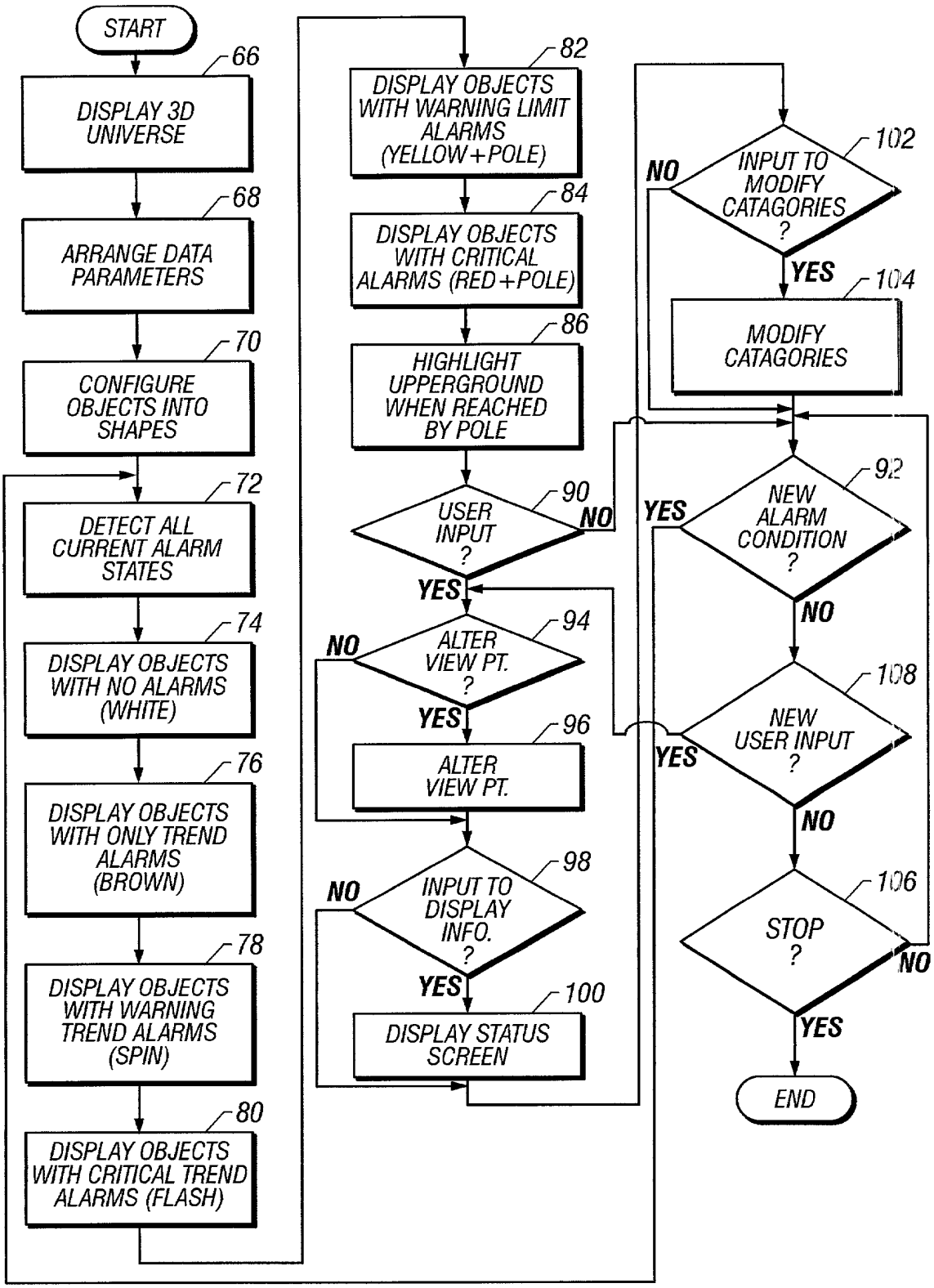

START
66
DISPLAY 3D UNIVERSE
68
ARRANGE DATA PARAMETERS
70
CONFIGURE OBJECTS INTO SHAPES
72
DETECT ALL CURRENT ALARM STATES
74
DISPLAY OBJECTS WITH NO ALARMS (WHITE)
76
DISPLAY OBJECTS WITH ONLY TREND ALARMS (BROWN)
78
DISPLAY OBJECTS WITH WARNING TREND ALARMS (SPIN)
80
DISPLAY OBJECTS WITH CRITICAL TREND ALARMS (FLASH)
82
DISPLAY OBJECTS WITH WARNING LIMIT ALARMS (YELLOW+POLE)
84
DISPLAY OBJECTS WITH CRITICAL ALARMS (RED+POLE)
86
HIGHLIGHT UPPERGROUND WHEN REACHED BY POLE
90
USER INPUT ?
NO
YES
94
ALTER VIEW PT. ?
NO
YES
96
ALTER VIEW PT.
98
INPUT TO DISPLAY INFO. ?
NO
YES
100
DISPLAY STATUS SCREEN
102
INPUT TO MODIFY CATAGORIES ?
NO
YES
104
MODIFY CATAGORIES
92
NEW ALARM CONDITION ?
YES
NO
108
NEW USER INPUT ?
YES
NO
106
STOP ?
NO
YES
END

FIG. 11